

Application No. 10/673,940  
Amendment "C" dated December 15, 2005  
Reply to Office Action mailed September 29, 2005

### AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

Claims 1-6. (Cancelled).

Claim 7. (New) A communication apparatus comprising:

means for forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information;

means for mapping the logical channel into a physical channel such that a number of radio frames of a fixed duration on the physical channel into which each logical channel unit is mapped increases as a transmission rate of the physical channel decreases; and

means for transmitting a signal of the logical channel over the physical channel.

Claim 8. (New) The communication apparatus as claimed in claim 7, wherein the error detecting code is a CRC.

Claim 9. (New) A communication method comprising the steps of:

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forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information;

mapping the logical channel into a physical channel such that a number of radio frames of a fixed duration on the physical channel into which each logical channel unit is mapped increases as a transmission rate of the physical channel decreases; and

transmitting a signal of the logical channel over the physical channel.

Claim 10. (New) The communication method as claimed in claim 9, wherein the error detecting code is a CRC.